

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

- 1-4. (Canceled)
5. (Currently amended) A An isolated polynucleotide that encodes a mutant adenomatous polyposis coli (APC) protein comprising the function of inducing piling up of cells which induces piling up of cells, wherein the protein consists of a sequence 95% or higher identical to amino acids 1-859 of SEQ ID NO:1.
6. (Original) A vector that comprises the polynucleotide of claim 5.
7. (Currently amended) A cell that comprises an artificially expressed mutant APC protein encoded by the polynucleotide of claim 5, or the vector of claim 6.
8. (Currently amended) The cell of claim 7, which is ~~derived from a mammal~~ a mammalian cell or a derivative thereof.
9. (Currently amended) The cell of claim 7, which is ~~derived from a~~ Xenopus laevis cell or a derivative thereof.
10. (Currently amended) A The cell of claim 7, which is an established cell line.
- 11-13. (Canceled)
14. (Currently amended) The polynucleotide of claim 5, wherein the mutant APC protein is ~~derived from a~~ Xenopus laevis protein.
15. (Currently amended) The isolated polynucleotide of claim 5 ~~and 13,~~ wherein the polynucleotide encodes a mutant APC protein consisting of the sequence of amino

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PATENT

acids 1-859 of SEQ ID NO:1, in which one or more amino acids of the APC protein are  
substituted, deleted, added, and/or inserted.